WORLD RESOURCES COMPANY

Form FM-M01

RECYCLABLE MATERIAL PROFILE — EXHIBIT A

A. Generator Information: **Company I.D. Number: W2149A3**

1. Generator: Alaskan Copper Works
2. Address: P. O. Box 3546, Seattle, WA 98124
3. Contact: Mr. Gerald Thompson
   Title: Environmental Assistant
4. Material EPA Waste Code: D007
5. Generator's EPA I.D. Number: WAD980738546
6. Generator's State I.D. Number:

B. Recyclable Material Characteristics:

1. **Color(s):** Black

2. **Odor:** [X] None [ ] Mild [ ] Strong
   Description of Odor:

3. **Moisture:** [X] Wet [ ] Damp [ ] Dry
   Percent Solids: 79.30

4. **pH** (EPA SW 846, Method 9040/9045)
   pH: 7.77

5. **Ignitability** (40 CFR §261.21)
   [X] Pass [ ] Fail

6. **Texture** similar to:
   [X] Wet Clay [ ] Dry Clay [ ] Sand [ ] Powder [ ] Other

7. **Appearance**
   [X] Homogeneous [ ] Bilayered [ ] Multilayered

8. **Organic Vapors**
   [X] Not Present (<1 ppm) [ ] Present
   If present, identify compounds and amount (ppm wet):
   [X] Pass [ ] Fail

9. **Free Liquids** (EPA SW 846, Method 9095) **Present:**
   [X] No [ ] Yes

10. **Debris Present**
    [X] No [ ] Yes

11. **Reactivity**
    [X] Not Reactive [ ] Reactive

12. **Radionuclides** (ASTM D5928-96)
    [X] Not Detected [ ] Detected

13. **Cyanide Gas**
    HCN:
    [X] Not Detected
    [ ] Detected _____ ppm

C. Analytical Data: (Content on a dry weight basis in ppm or %)

Constituent *		Content	Constituent *		Content
1. Aluminum [1]	Al	19910 ppm	19. Magnesium [2]	Mg	3519 ppm
2. Antimony [1]	Sb	75 ppm	20. Manganese [1]	Mn	4615 ppm
3. Arsenic [1]	As	92.0 ppm	21. Mercury [3]	Hg	< 3.00 ppm
4. Barium [1]	Ba	58 ppm	22. Nickel [1]	Ni	88350 ppm
5. Beryllium [1]	Be	< 0.40 ppm	23. Selenium [1]	Se	< 11.0 ppm
6. Bismuth [1]	Bi	< 3 ppm	24. Silver [1]	Ag	< 9 ppm
7. Cadmium [1]	Cd	68.0 ppm	25. Thallium [4]	Tl	< 18.0 ppm
8. Calcium [1]	Ca	988 ppm	26. Tin [1]	Sn	196 ppm
9. Chloride [7]	Cl^-	0 %	27. Zinc [1]	Zn	931 ppm
10. Chromium, Hexavalent [5]	Cr^{+6}	86.0 ppm			
11. Chromium, Total [1]	Cr	127700 ppm			
12. Cobalt [1]	Co	576 ppm			
13. Copper [1]	Cu	64250 ppm			
14. Cyanide, Amenable [6]	CN^-	0 ppm			
15. Cyanide, Total [6]	CN^-	0 ppm			
16. Fluoride [7]	F^-	0 %			
17. Iron [1]	Fe	507600 ppm			
18. Lead [1]	Pb	< 20 ppm			

*** Analytical Procedure References:**

1 EPA Method SW846 3050 / 6010 (Digestion / Analysis)
2 EPA Method SW846 3050 / 7450 or 6010 (Digestion / Analysis)
3 EPA Method SW846 3050 / Hydride generation (Digestion / Analysis)
4 EPA Method SW846 3050 / 7840 or 6010 (Digestion / Analysis)
5 EPA Method SW846 1311 or 3060 / 7196 (Extraction / Analysis)
6 EPA Method SW846 9010 (Distillation / Analysis)
7 HNO_3 or H_2O_2 / EPA Method SW846 9056 (Digestion / Analysis)

D. Certification:

I hereby certify that all information submitted in this profile is complete and accurate to the best of my knowledge and belief.

Signed: _____ Date: 12/15/2000

Title: Laboratory Manager

AZF004\\F21

 revised 09/20/00

WORLD RESOURCES COMPANY

8113 West Sherman Street
Phoenix, AZ 85043-3000

Tel: 602.233.9166
Fax: 623.936.9164

December 15, 2000

Mr. Gerald Thompson
Environmental Assistant
Alaskan Copper Works
P. O. Box 3546
Seattle, WA 98124

Dear Mr. Thompson:

Enclosed for your records is a completed "RECYCLABLE MATERIAL PROFILE" (profile sheet) for the material generated at your facility. In accordance with the recycling Agreement with your company, World Resources Company (WRC) provides a completed profile sheet each contract year.

The concentration of metals reported on the profile sheet is the total concentration of each metal on a dry basis. The recyclable material is prepared for analysis by first grid-sampling and then drying the selected sample in the laboratory oven at 103°-105° centigrade in order to obtain a homogeneous dry sample (Standard Methods For The Examination of Water and Wastewater, 15th Edition, published by the American Public Health Association 1980, Method 209A "Total Residue at 103°-105° centigrade"). Therefore, these results are generally higher than the concentrations of your material as it leaves your facility. You should multiply these dry concentrations by the decimal form of your percent solids (i.e. 50.0% = 0.50) to obtain the concentration of your material as it leaves your plant.

WRC appreciates your business and looks forward to a long and mutually beneficial recycling relationship. Please feel free to call me with any questions you may have regarding the enclosed profile sheet. Thank you for your interest in recycling.

Sincerely,
World Resources Company

John M. Richmond
Laboratory Manager